

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

International Application No. : PCT/EP2004/007939 **10/567742**
International Filing Date : 16 July 2004 (16.07.2004)
Priority Date(s) Claimed : 11 August 2003 (11.08.2003)
Applicant(s) (DO/EO/US) : Katrin KOEHLER, et al.

Title: IMMOBILISED IMIDAZOLES AND RUTHENIUM CATALYSTS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
- ☐ within three months of the filing date of a national application other than a CPA under § 1.53(d);
 - ☒ within three months of the actual filing date of the national phase of a PCT application; OR
 - ☐ before the mailing of a first substantive office action (including after filing of an RCE).
- ☐ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:
- a final rejection under 37 C.F.R. 1.113;
 - termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR
 - a notice of allowance under 37 C.F.R. § 1.311; and

is accompanied by:

- ☐ the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR
 - ☐ a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).
- ☐ Under 37 C.F.R. § 1.97(d), this information disclosure statement is filed after the mailing date of the following actions which have not been withdrawn:
- ☐ a final action under 37 C.F.R. § 1.113;
 - ☐ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);
 - ☐ OR a notice of allowance under 37 C.F.R. § 1.311;

AND is filed on or before payment of the issue fee; AND is accompanied by:

the statement as specified in 37 C.F.R. § 1.97(e) as set forth below, and the fee of \$180.00 under 37 C.F.R. § 1.17(p).

Statements Under 37 C.F.R. 1.97(e)

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.

Cited Materials

- ☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form 1449 by the applicant; see 37 C.F.R. § 1.98(d).
- ☒ Copies of materials listed but not attached were cited in an international search report dated March 7, 2005.
- ☐ Not required by 37 CFR § 1.98.
- ☐ Copies of the materials listed are attached (except for the foregoing).

Non-English Language References

☐ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).

☒ A foreign-language search report from a foreign patent office is provided, and pertinent parts are translated substantively below:

X = document of particular relevance when it is taken alone

Y = document of particular relevance when it is combined with another such document

A = document defining the general state of the art

O = non-written disclosure

P = intercalated document

T = document cited to understand the theory or principle underlying the invention

E = patent document which has the benefit of a date earlier than the filing date and which was published only on or after this filing date

D = cited in the application

L = cited for another reason

& = publication of member of same patent family

☒ Translation of other relevant information on foreign search report

In the search report, "Seite" means page, "Seiten" means pages, "Verbindungen der Formel" means Figure of formula, "Beispiele" means examples, and "das ganze Dokument" means the entire document, "Spalte" means column, "Zeile" means line, "Abbildungen" means claims, "Anspruch" means example, "Zusammenfassung" means summary, and "Tabelle" means table, and "Tabellen" means tables "in der Anmeldung erwähnt" means cited in the application, "Schema" means scheme, "und" means and, "Absatz" means break, "Abbildung" means figure.

Other Information

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☐ A check for \$_____ covering the fee identified above is attached.

☐ Please charge to Deposit Account No. 13-3402 \$_____ for the fee identified above.

☒ The Commissioner is hereby authorized to charge or credit any overpayment to Deposit Account #13-3402, two copies of this paper are attached for this purpose.

10/567742

Respectfully submitted,


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Attorney Docket No.: MERCK-3127

Date: February 10, 2006

IWM:ssr

PTO/SB/08A (08-00)

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Application Number	USNP of PCT/EP2004/007939
Filing Date	16 July 2004 (16.07.2004)
First Named Inventor	Katrin KOEHLER, et al.
Group Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	MERCK-3127

[illegible][illegible]Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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First Named Inventor	Katrin KOEHLER, et al.
Group Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	MERCK-3127

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	004	GADENNE, BENOIT ET AL: "SUPPORTED IONIC LIQUIDS: ORDERED MESOPOROUS SILICAS CONTAINING COVALENTLY LINKED IONIC SPECIES" CHEMICAL COMMUNICATIONS (CAMBRIDGE, UNITED KINGDOM), 1768-1769, CODEN: CHCOFS; ISSN: 1359-7345, JUNE 30, 2004	
	005	CETINKAYA B ET AL: "SYNTHESIS AND IMMOBILIZATION OF N-HETEROCYCLIC CARBENE COMPLEXES OF RU (II): CATALYTIC ACTIVITY AND RECYCLABILITY FOR THE FURAN FORMATION" JOURNAL OF MOLECULAR CATALYSIS. A, CHEMICAL, ELSEVIER, AMSTERDAM, NL, Bd. 184, 2002, PAGES 31-38, XP002300268; ISSN: 1381-1169	
	006	WERNER H ET AL: "SUPPORTED RHODIUM-CATALYSTS: NEW ASPECTS IN THE FORMATION OF TRISUBSTITUTED OLEFINS FROM SIMPLE ALKENES AND DIAZOALKANES" JOURNAL OF ORGANOMETALLIC CHEMISTRY, Bd. 475, Nr. 1-2, july 26, 1994, pages 277-282, xp002311340	
	007	HERRMANN ET AL: "N-HETEROCYCLIC CARBENES" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, Bd. 36, 1997, PAGES 2162-2187, XP002178612; ISSN: 0570-0833	
	008	HERRMANN: "N-HETEROCYCLIC CARBENES: A NEW CONCEPT IN ORGANOMETALLIC CATALYSIS" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, Bd. 41, Nr. 8, 2002, PAGES 1291-1309, XP001111697; ISSN: 0570-0833	
	009	HERNDON "THE CHEMISTRY OF THE CARBON-TRANSITION METAL DOUBLE AND TRIPLE BOND: ANNUAL SURVEY COVERING THE YEAR 2002" COORDINATION CHEMISTRY REVIEWS, Bd. 248, Nr. 1-2, JANUARY 21, 2004, PAGES 3-79; XP002311341	

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